



PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/088,853A

DATE: 02/11/2003

TIME: 14:35:58

Input Set : A:\1406-50.ST25.txt

Output Set: N:\CRF4\02112003\J088853A.raw

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3 <110> APPLICANT: Bornkamm, Georg
4     Hobom, Gerd
5     Mautner, Josef
6     Nimmerjahn, Falk
8 <120> TITLE OF INVENTION: METHOD FOR IDENTIFYING MHC-RESTRICTED ANTIGENS
10 <130> FILE REFERENCE: 1406/50
12 <140> CURRENT APPLICATION NUMBER: 10/088853A
C--> 13 <141> CURRENT FILING DATE: 2002-09-12
15 <160> NUMBER OF SEQ ID NOS: 23
17 <170> SOFTWARE: PatentIn version 3.0
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 12
21 <212> TYPE: RNA
22 <213> ORGANISM: Influenza A virus
24 <400> SEQUENCE: 1
25 ccugcuuuug cu
28 <210> SEQ ID NO: 2
29 <211> LENGTH: 12
30 <212> TYPE: RNA
31 <213> ORGANISM: Influenza B virus
33 <220> FEATURE:
34 <221> NAME/KEY: misc_feature
35 <222> LOCATION: (1)..(12)
36 <223> OTHER INFORMATION: n is a, c, g, or u
39 <220> FEATURE:
40 <221> NAME/KEY: misc_feature
41 <222> LOCATION: (1)..(12)
42 <223> OTHER INFORMATION: y is c or u
45 <400> SEQUENCE: 2
W--> 46 nnygcuuucug cu
49 <210> SEQ ID NO: 3
50 <211> LENGTH: 12
51 <212> TYPE: RNA
52 <213> ORGANISM: Influenza C virus
54 <400> SEQUENCE: 3
55 ccugcuucug cu
58 <210> SEQ ID NO: 4
59 <211> LENGTH: 13
60 <212> TYPE: RNA
61 <213> ORGANISM: Influenza A virus
63 <400> SEQUENCE: 4
64 aguagaaaca agg
67 <210> SEQ ID NO: 5

```

ENTERED

12

12

12

13

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68 <211> LENGTH: 13
69 <212> TYPE: RNA
70 <213> ORGANISM: Influenza B virus
72 <220> FEATURE:
73 <221> NAME/KEY: misc_feature
74 <222> LOCATION: (1)..(13)
75 <223> OTHER INFORMATION: n is a, c, g, or u
78 <220> FEATURE:
79 <221> NAME/KEY: misc_feature
80 <222> LOCATION: (1)..(13)
81 <223> OTHER INFORMATION: w is a or u
84 <220> FEATURE:
85 <221> NAME/KEY: misc_feature
86 <222> LOCATION: (1)..(13)
87 <223> OTHER INFORMATION: r is g or a
90 <400> SEQUENCE: 5
W--> 91 aguagwaaca rnn
94 <210> SEQ ID NO: 6
95 <211> LENGTH: 13
96 <212> TYPE: RNA
97 <213> ORGANISM: Influenza C virus
99 <220> FEATURE:
100 <221> NAME/KEY: misc_feature
101 <222> LOCATION: (1)..(13)
102 <223> OTHER INFORMATION: r is g or a
105 <400> SEQUENCE: 6
106 agcaguagca agr
109 <210> SEQ ID NO: 7
110 <211> LENGTH: 12
111 <212> TYPE: RNA
112 <213> ORGANISM: Influenza A virus
114 <400> SEQUENCE: 7
115 ccugguucuc cu
118 <210> SEQ ID NO: 8
119 <211> LENGTH: 13
120 <212> TYPE: RNA
121 <213> ORGANISM: Influenza A virus
123 <400> SEQUENCE: 8
124 ccugguuucu acu
127 <210> SEQ ID NO: 9
128 <211> LENGTH: 21
129 <212> TYPE: RNA
130 <213> ORGANISM: Influenza A virus
132 <220> FEATURE:
133 <221> NAME/KEY: misc_feature
134 <222> LOCATION: (1)..(21)
135 <223> OTHER INFORMATION: n is a, c, g, or u
138 <400> SEQUENCE: 9
W--> 139 aguagaaaca aggnnnuuuu u

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142 <210> SEQ ID NO: 10
143 <211> LENGTH: 22
144 <212> TYPE: RNA
145 <213> ORGANISM: Influenza A virus
147 <220> FEATURE:
148 <221> NAME/KEY: misc_feature
149 <222> LOCATION: (1)..(22)
150 <223> OTHER INFORMATION: n is a, c, g, or u
153 <400> SEQUENCE: 10
W--> 154 aguagaaaca aggnnnuuuu uu
157 <210> SEQ ID NO: 11
158 <211> LENGTH: 15
159 <212> TYPE: RNA
160 <213> ORGANISM: Influenza A virus
162 <220> FEATURE:
163 <221> NAME/KEY: misc_feature
164 <222> LOCATION: (1)..(15)
165 <223> OTHER INFORMATION: n is a, c, g, or u
168 <400> SEQUENCE: 11
W--> 169 nnnccuguuu cuacu
172 <210> SEQ ID NO: 12
173 <211> LENGTH: 21
174 <212> TYPE: RNA
175 <213> ORGANISM: Influenza A virus
177 <220> FEATURE:
178 <221> NAME/KEY: misc_feature
179 <222> LOCATION: (1)..(21)
180 <223> OTHER INFORMATION: n is a, c, g, or u
183 <400> SEQUENCE: 12
W--> 184 agaagaauca aggnnnuuuu u
187 <210> SEQ ID NO: 13
188 <211> LENGTH: 22
189 <212> TYPE: RNA
190 <213> ORGANISM: Influenza A virus
192 <220> FEATURE:
193 <221> NAME/KEY: misc_feature
194 <222> LOCATION: (1)..(22)
195 <223> OTHER INFORMATION: n is a, c, g, or u
198 <400> SEQUENCE: 13
W--> 199 agaagaauca aggnnnuuuu uu
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203 <211> LENGTH: 17
204 <212> TYPE: RNA
205 <213> ORGANISM: Influenza A virus
207 <220> FEATURE:
208 <221> NAME/KEY: misc_feature
209 <222> LOCATION: (1)..(17)
210 <223> OTHER INFORMATION: n is a, c, g, or u
213 <400> SEQUENCE: 14

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Input Set : A:\1406-50.ST25.txt

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W--> 214 agaagaauca aggnnnu                                17
217 <210> SEQ ID NO: 15
218 <211> LENGTH: 21
219 <212> TYPE: RNA
220 <213> ORGANISM: Influenza A virus
222 <220> FEATURE:
223 <221> NAME/KEY: misc_feature
224 <222> LOCATION: (1)..(21)
225 <223> OTHER INFORMATION: n is a, c, g, or u
228 <400> SEQUENCE: 15

W--> 229 aguagaaaca aggnnnuuuu u                            21
232 <210> SEQ ID NO: 16
233 <211> LENGTH: 22
234 <212> TYPE: RNA
235 <213> ORGANISM: Influenza A virus
237 <220> FEATURE:
238 <221> NAME/KEY: misc_feature
239 <222> LOCATION: (1)..(22)
240 <223> OTHER INFORMATION: n is a, c, g, or u
243 <400> SEQUENCE: 16

W--> 244 aguagaaaca aggnnnuuuu uu                            22
247 <210> SEQ ID NO: 17
248 <211> LENGTH: 15
249 <212> TYPE: RNA
250 <213> ORGANISM: Influenza A virus
252 <220> FEATURE:
253 <221> NAME/KEY: misc_feature
254 <222> LOCATION: (1)..(15)
255 <223> OTHER INFORMATION: n is a, c, g, or u
258 <400> SEQUENCE: 17

W--> 259 nnnccugguu cuccu                                    15
262 <210> SEQ ID NO: 18
263 <211> LENGTH: 21
264 <212> TYPE: RNA
265 <213> ORGANISM: Influenza B virus
267 <220> FEATURE:
268 <221> NAME/KEY: misc_feature
269 <222> LOCATION: (1)..(21)
270 <223> OTHER INFORMATION: n is a, c, g, or u
273 <220> FEATURE:
274 <221> NAME/KEY: misc_feature
275 <222> LOCATION: (1)..(21)
276 <223> OTHER INFORMATION: r is g or a
279 <220> FEATURE:
280 <221> NAME/KEY: misc_feature
281 <222> LOCATION: (1)..(21)
282 <223> OTHER INFORMATION: w is a or u
285 <400> SEQUENCE: 18

W--> 286 aguagwaaca rnnnnnnuuuu u                            21

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TIME: 14:35:58

Input Set : A:\1406-50.ST25.txt

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289 <210> SEQ ID NO: 19
290 <211> LENGTH: 22
291 <212> TYPE: RNA
292 <213> ORGANISM: Influenza B virus
294 <220> FEATURE:
295 <221> NAME/KEY: misc_feature
296 <222> LOCATION: (1)..(22)
297 <223> OTHER INFORMATION: n is a, c, g, or u
300 <220> FEATURE:
301 <221> NAME/KEY: misc_feature
302 <222> LOCATION: (1)..(22)
303 <223> OTHER INFORMATION: r is g or a
306 <220> FEATURE:
307 <221> NAME/KEY: misc_feature
308 <222> LOCATION: (1)..(22)
309 <223> OTHER INFORMATION: w is a or u
312 <400> SEQUENCE: 19
W--> 313 aguagwaaca rnnnnnnuuuu uu
316 <210> SEQ ID NO: 20
317 <211> LENGTH: 15
318 <212> TYPE: RNA
319 <213> ORGANISM: Influenza B virus
321 <220> FEATURE:
322 <221> NAME/KEY: misc_feature
323 <222> LOCATION: (1)..(15)
324 <223> OTHER INFORMATION: n is a, c, g, or u
327 <220> FEATURE:
328 <221> NAME/KEY: misc_feature
329 <222> LOCATION: (1)..(15)
330 <223> OTHER INFORMATION: y is u or c
333 <400> SEQUENCE: 20
W--> 334 nnnnnnyguuu cuacu
337 <210> SEQ ID NO: 21
338 <211> LENGTH: 19
339 <212> TYPE: RNA
340 <213> ORGANISM: Influenza C virus
342 <220> FEATURE:
343 <221> NAME/KEY: misc_feature
344 <222> LOCATION: (1)..(19)
345 <223> OTHER INFORMATION: r is g or a
348 <400> SEQUENCE: 21
349 aguaguaaca agrguuuuu
352 <210> SEQ ID NO: 22
353 <211> LENGTH: 20
354 <212> TYPE: RNA
355 <213> ORGANISM: Influenza C virus
357 <220> FEATURE:
358 <221> NAME/KEY: misc_feature
359 <222> LOCATION: (1)..(20)

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RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 1,2
Seq#:5; N Pos. 12,13
Seq#:9; N Pos. 14,15,16
Seq#:10; N Pos. 14,15,16
Seq#:11; N Pos. 1,2,3
Seq#:12; N Pos. 14,15,16
Seq#:13; N Pos. 14,15,16
Seq#:14; N Pos. 14,15,16
Seq#:15; N Pos. 14,15,16
Seq#:16; N Pos. 14,15,16
Seq#:17; N Pos. 1,2,3
Seq#:18; N Pos. 12,13,14,15,16
Seq#:19; N Pos. 12,13,14,15,16
Seq#:20; N Pos. 1,2,3,4,5